

Capture the value of 5G and beyond – FWA and RedCap



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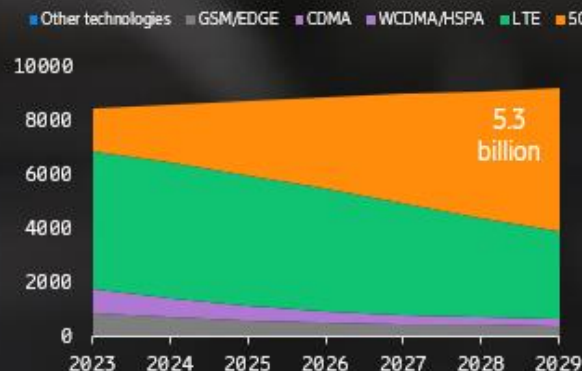
2024-5-31

Major opportunities ahead

Gear up from 5G to 5G Advanced

Globally, in 2029:

5G mobile subscription growth continues



5G mobile subscriptions will reach 5.3 billion by 2029

5G population coverage (%)



End of 2029, 5G population coverage is expected to reach 86%

Traffic Growth

56 GB
Mobile data traffic per Smartphone
3X

Mobile data traffic is attributed to 3 main drivers: improved device capabilities; an increase in data-intensive content; and growth in data consumption

FWA & Cellular IoT growth continues, 5G becomes main technologies

330M

FWA connections

6.1B

Cellular IoT connections

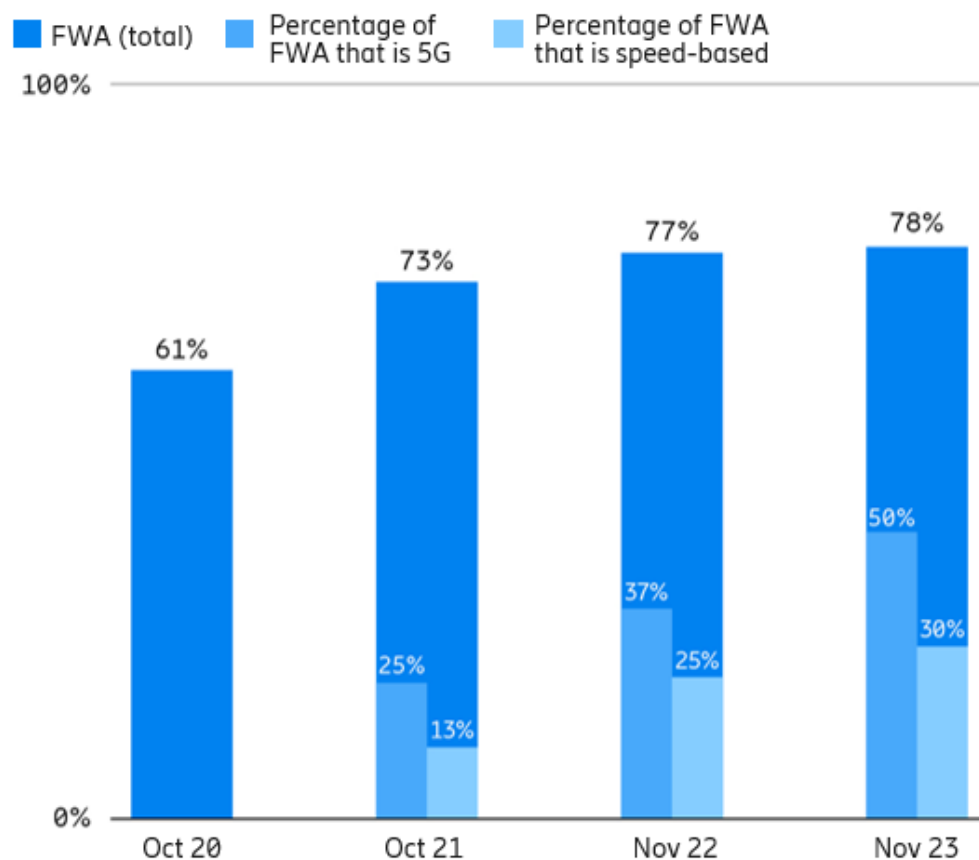
5G FWA is estimated to reach 85% of FWA market and 60% of cellular IoT connections will be broadband IoT

152 service providers offering FWA over 5G

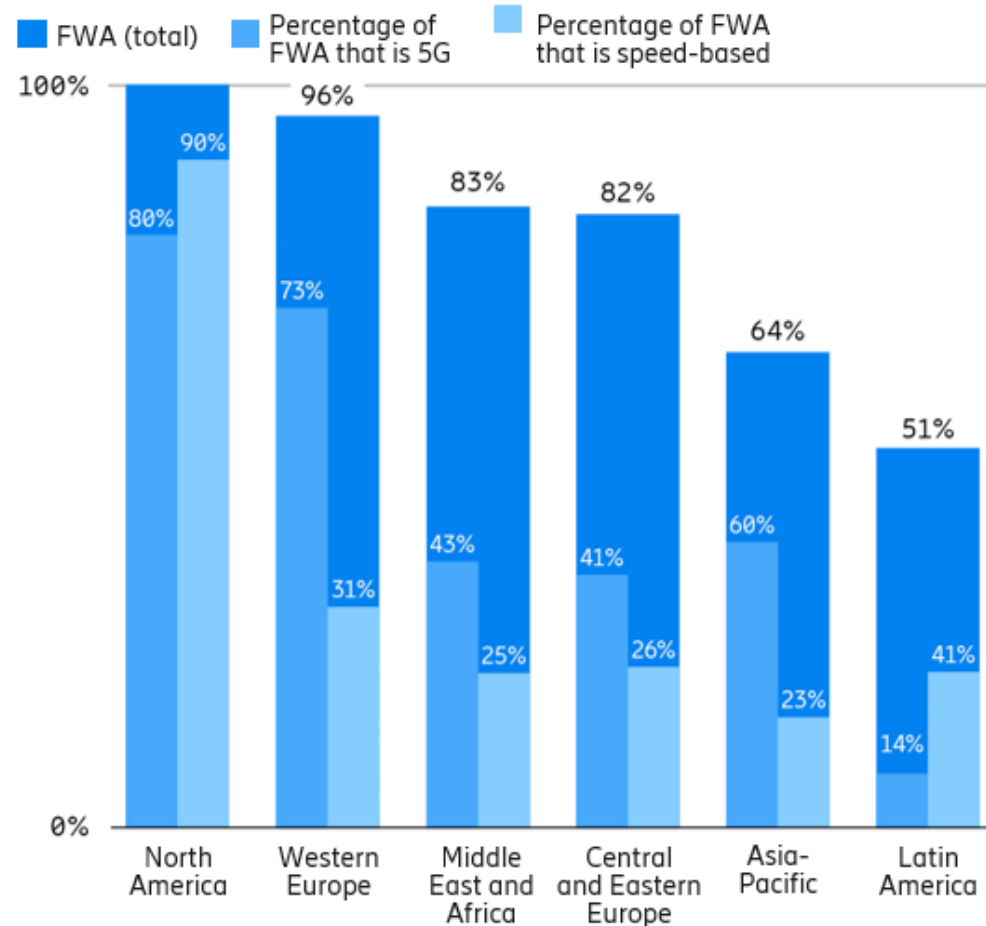


152 operators in 71 countries and territories had launched or soft-launched 3GPP-compliant 5G fixed wireless access services, just over 50% of those with launched 5G services

Global FWA service provider adoption 2020–2023



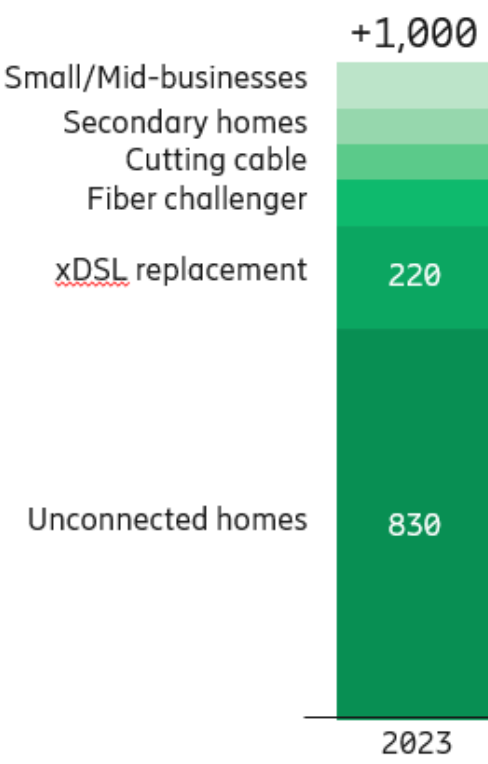
Regional FWA service provider adoption 2023



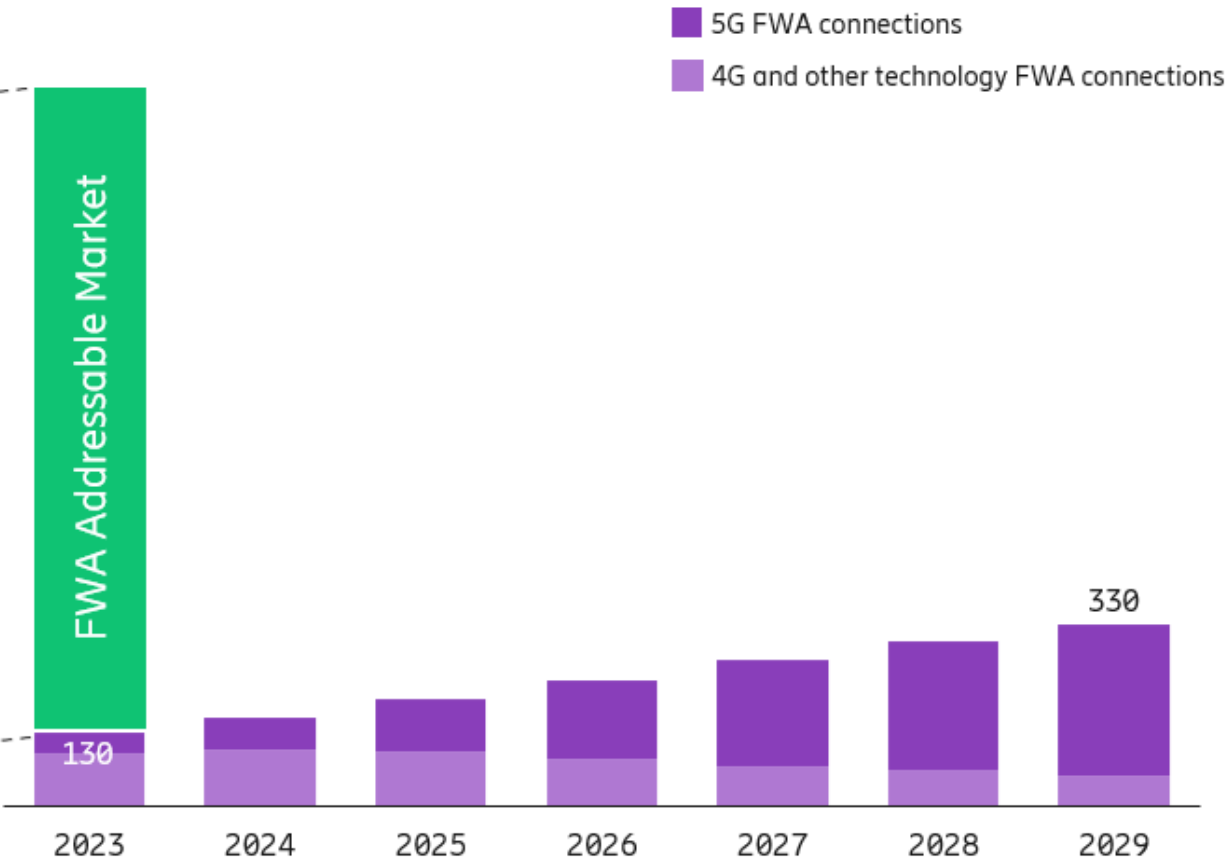
Six opportunities for addressing the +1 billion premises digital divide



FWA addressable market (millions)



FWA connections (millions)

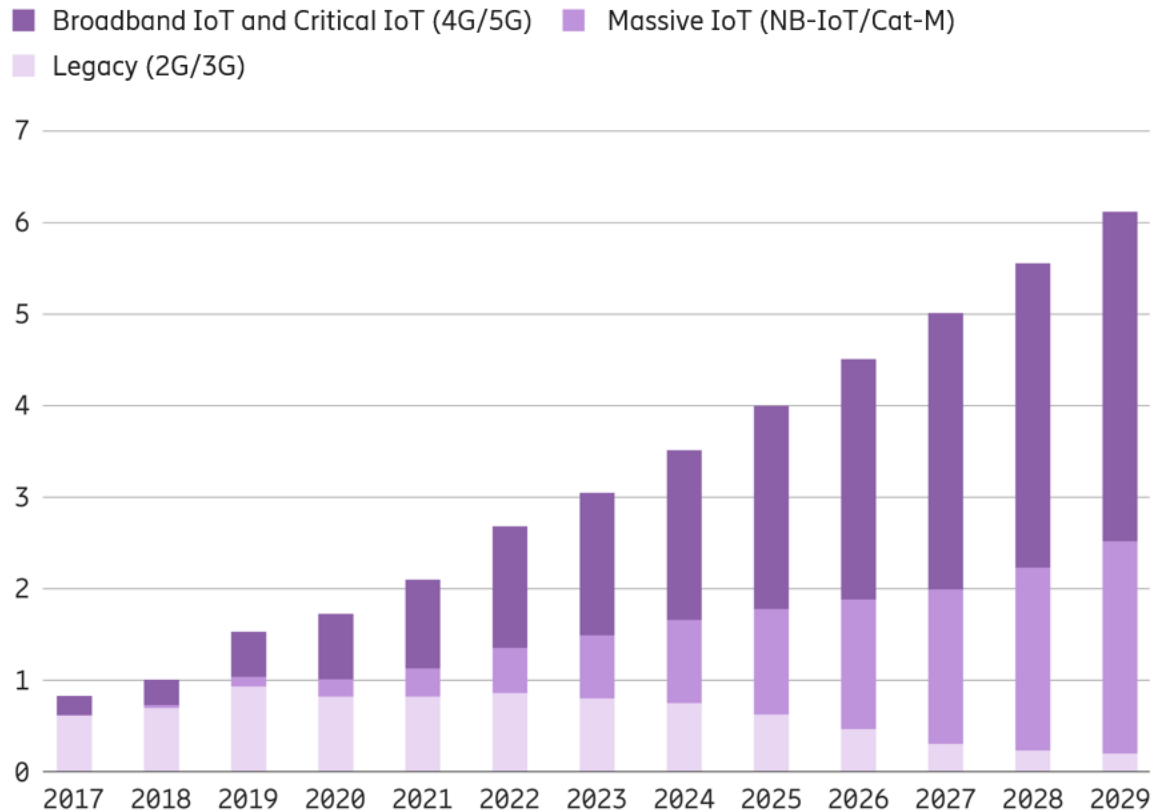


5G FWA connections
4G and other technology FWA connections

Cellular IoT connections expected to reach 6 billion in 2029



Cellular IoT connections by segment and technology (billion)



- Cellular IoT reach 3 billion in 2023, North & East Asia is leading region with 2 billion connections at the end of 2023.
- The Massive IoT technologies continue to be rolled out around the world.
 - 128 service providers have deployed or commercially launched NB-IoT networks and 60 have launched Cat-M
- Broadband IoT (4G/5G) reach 1.6 billion connections at the end of 2023.
- Cellular IoT connections will reach 6.1 billion by the end of 2029, 60 percent will be broadband IoT (4G/5G).
- IoT devices connected via 2G and 3G are in slow decline 20% annually up to 2029.

Public announcements about Ericsson RedCap



Ericsson, Verizon, MediaTek complete Redcap 5G sessions.

Ericsson, Vodafone and Qualcomm demonstrate first Reduced Capability data call in Europe

Ericsson, MediaTek showcase RedCap interoperability

Ericsson joined China Mobile's RedCap "1+5+5" Innovation Demonstration City Program to promote the high-quality development of 5G to a new level

Ericsson Qualcomm and Quectel in China Mobile 5G live network

Airtel with Ericsson tests India's first RedCap on its 5G network

Singtel first to trial RedCap in Singapore - Mobile World Live

Optus preps network for 5G wearables in Australia with Ericsson's RedCap

Telstra & Ericsson perform VoNR call with RedCap software in Australia on 5G

Malaysia will be first in Southeast Asia to use Ericsson's 5G RedCap | Free Malaysia Today (FMT)

10

Redcap Press releases during 2023

Support for VoNR and data calls, low and mid band, FDD and TDD, with Qualcomm and Mediatek

Ericsson Industry 4.0 Ecosystem

Ecosystem partners completes the solutions required by the 10 000 000 industry sites

Cellular offerings enables industrial operational efficiency and safety.

The Ericsson marketplace displays partner offerings based on customers needs

Independent software vendors
Applications ecosystem
Application enablement Platforms
Manufacturing Execution Systems (MES)
Enterprise Resource planning System (ERP)
Location platforms

Cellular Network 4G /5G (public, sliced, Private Network)

Device partners & HW

Modules

| Cellular Gateways | Current loop | Machinery |
|-------------------|---|---|
| | Ethernet RS232 Analog I/O Digital I/O | Sensors Actuators Handhelds Wearables Cameras Drones |
| | | |

Wired via Gateway or Integrated Module, grid power

Integrated with Cellular Module or Chipset, battery

Professional services
System Integrators & business advisors

Ericsson Partner Marketplace

Hardware Software Service Solutions

Current filters: Cradlepoint X HITS X Siemens X Multitech X n79 X Clear all

Product Type

- GATEWAY & DONGLES
- HARDWARE
- INDUSTRY 4.0
- AIRPORTS
- ENERGY PLANTS
- MANUFACTURING
- MINING
- OIL & GAS
- OTHER
- PORTS
- WAREHOUSE

Vertical Markets

Sort by: Badges

SIEMENS SCALANCE MUM856-1 (EU) Siemens_6GK5856-2EA00-3DA1

The Industrial 5G router SCALANCE MUM856-1 provides 5G connectivity for industrial applications in public and private 5G networks. An IPsec protection class, an operating range from -30 to +40°C and support for 5G and 4G make it...

Request quote

R5020 Robustel_R5020-5G Robustel

High Speed Smart 5G Router

Request quote

NETCLOUD MOBILE 3 YEAR ESSENTIALS + ADVANCED WITH IBR1700-1200M-0 (AMERICAS) Cradlepoint_MAA3-17001200-NA

Ruggedized Gigabit-Class LTE router for demanding in-vehicle and IoT applications

Request quote

Partner List
Badge Information

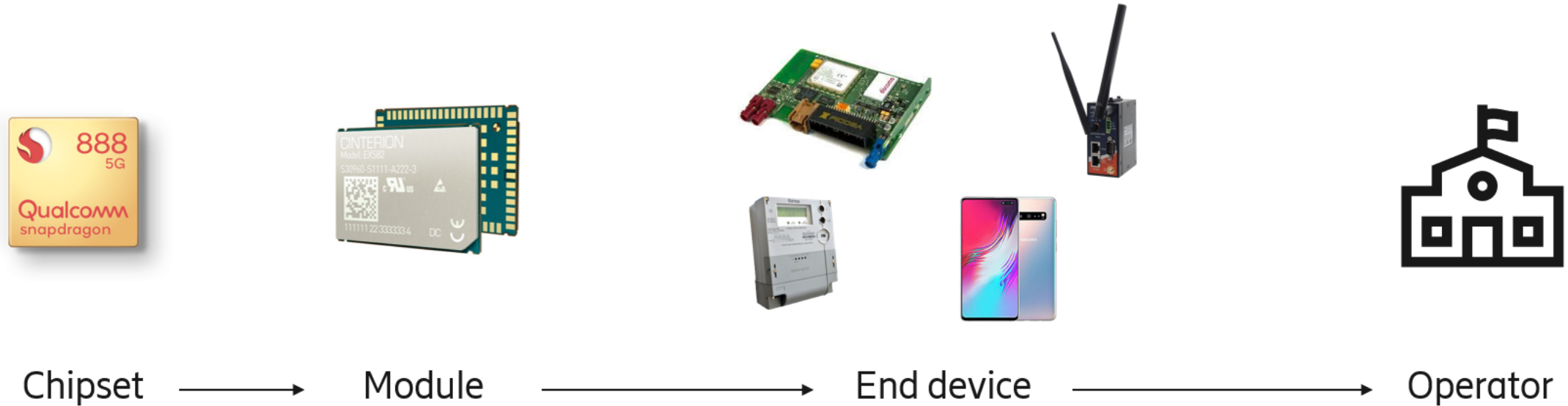
Code of Conduct for Business Partners
Terms And Conditions

Industry 4.0 EcoSystem
Industry 4.0 Partner Portal

+46 10 719 00 00

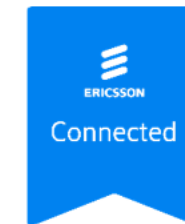
Ericsson Device and Application Verification

Testing throughout the ecosystem and value chain

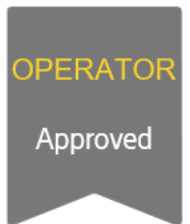


Ericsson, with its partners, invest in interoperability between network and devices from an early stage in the development cycle, on all levels of the architecture and from end to end in the value chain, to secure that standards are implemented correctly, devices are network friendly, and networks are device friendly.

Testing, certification, cybersecurity, and regulatory approvals are carried out at different stages, including custom-made operator approval programs for target markets, devices or use cases.

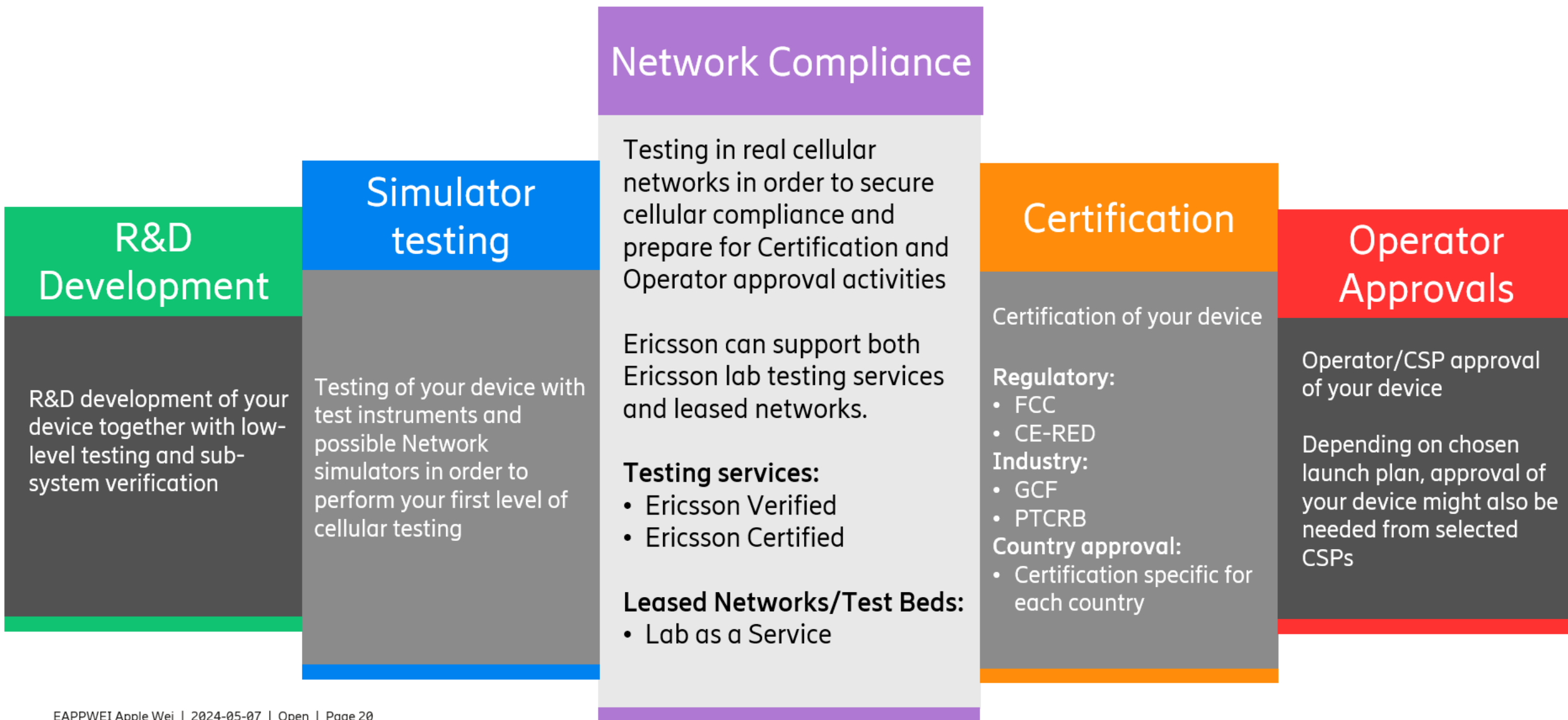


"Connected" and "Verified" are certification programs run by Ericsson



Ericsson can also run operator approval programs

The testing and validation steps of a Cellular device



Accelerating global market access of devices





<https://www.ericsson.com/tw>

For device verification inquiries, please contact
kenny.a.chen@ericsson.com

Scan to download the presentation

